

Appln. No. 10/706,202

Amdt. Filed under 37 CFR 1.312 dated April 5, 2006

Amendments to the Specification

- Please replace Table 4 located on Page 45 in between paragraphs [0121] and [0122] of the specification as originally filed by the following replacement table:

TABLE 4. Hydrothermal stability of alumina supports modified by one modifying agent comprising one element from Al, Co, Si, Mg, Se, La, and Ce

Modifying agent comprising these elements	Characteristics of Elements			BET m ² /g		
	Atomic weight, g/mol	Density, cm ³ /g g/cm ³	Atomic volume, cm ³ /mol	Prior steam	After Steam	% (absolute)
Al (Ex. 6)	26.982	2.70	10.0	124	125	0.8
Co	58.933	8.86	6.65	130	134	3.1
Si	28.086	2.33	12.06	137	135	1.5
Mg	24.305	1.74	13.97	130	128	1.5
Se	28.96	4.81	16.42	134	119	11.2
Ce	140.12	6.77	20.70	126	95	24.6
La	138.91	6.15	22.59	132	78	40.9

- Please replace Table 5 located on Pages 46-47 in between paragraphs [0124] and [0125] of the specification as originally filed by the following replacement table:

TABLE 5

Element oxides derived from modifying agent precursors	Characteristics of Element Oxides			BET Change % (in absolute value)
	Molecular weight, g/mol	Density, cm ³ /g g/cm ³	Molecular volume, cm ³ /mol cm ³ /mol	
Al ₂ O ₃	101.96	3.97	25.7	0.8
CoO	74.93	6.44	11.64	3.1
SiO ₂	60.09	2.65	22.7	1.5

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Element oxides derived from modifying agent precursors	Characteristics of Element Oxides			BET Change % (in absolute value)
	Molecular weight, g/mol	Density, $\frac{\text{cm}^3}{\text{g}} \frac{\text{g}}{\text{cm}^3}$	Molecular volume, $\frac{\text{cm}^3}{\text{mol}} \frac{\text{cm}^3}{\text{mol}}$	
MgO	40.30	3.60	11.20	1.5
SeO ₂	110.96	3.95	28.1	11.2
Ce ₂ O ₃	328.2	6.20	52.9	24.6
La ₂ O ₃	325.8	6.51	50.1	40.9